

Wind Analysis Summary Report

Site Number

301

Site Information

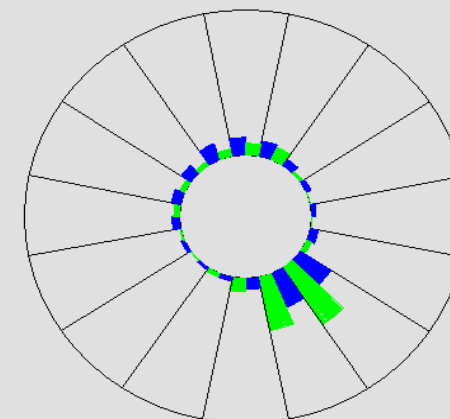
Project: Raft River #1
Location: South of Malta
Site Elevation: 5082 ft
Averaging Time: 10 min

Sensor Information

Sensor/Tower Height: 66 ft
Scaled Height: 213 ft
Windvane Offset: 0 degrees

Date Range: 8/10/04 7:50-8/10/05 7:50

Wind Rose Graph

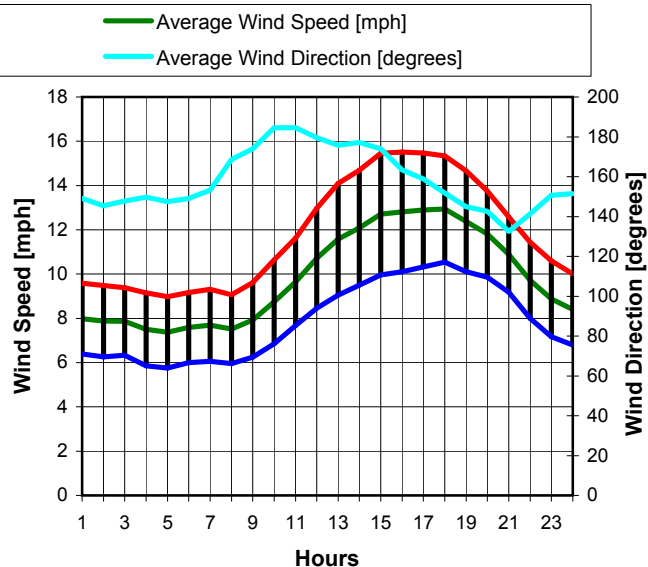


Percent of Total Wind Energy Inner Circle = 0%
Percent of Total Time Outer Circle = 70%

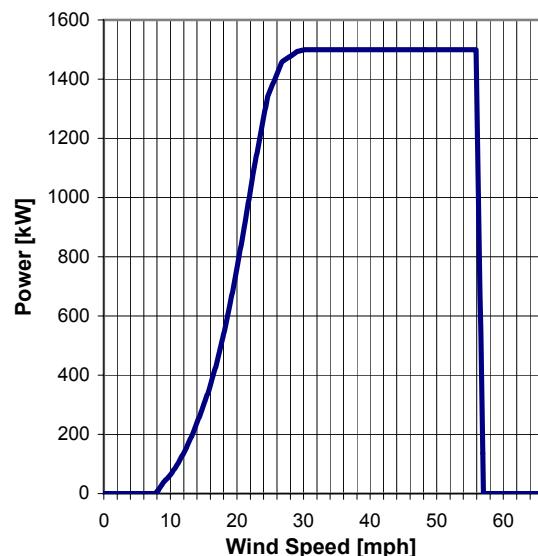
Statistics

Days Used in Calculation: 363.16
Hours Used in Calculation: 8715.83
Gust Speed: 46.4 mph
Gust Time: 1/8/2005 2:40
Estimated Energy Output: 1767484 kWh
Calculated Air Density: 1.046 kg/m³
Average Wind Speed: 9.86 mph
Average Wind Direction: 158 degrees
Capacity Factor: 0.14
Turbine Manufacturer: GE Wind Energy
Turbine Model: GE 1.5 S, 70.5m rotor,
Turbine Rating: 1500 kW
Estimated Annual Production: 1776440 kWh/Year
Scaled Est. Annual Production: 2702276 kWh/Year
Scaled Air Density: 1.046 kg/m³
Scaled Capacity Factor: 0.20

Diurnal Wind Speed Pattern



GE 1.5 S, 70.5m rotor,



Frequency Distribution Graph

Relative Frequency [%] Estimated Energy [kWh]

